RCONH
$$C - C - C - CH_3$$

$$C - C - CH_3$$

$$C - C - CH_3$$

$$C - C - CH_3$$

6-Aminopenicillanic Acid(6APA)

Fig.1

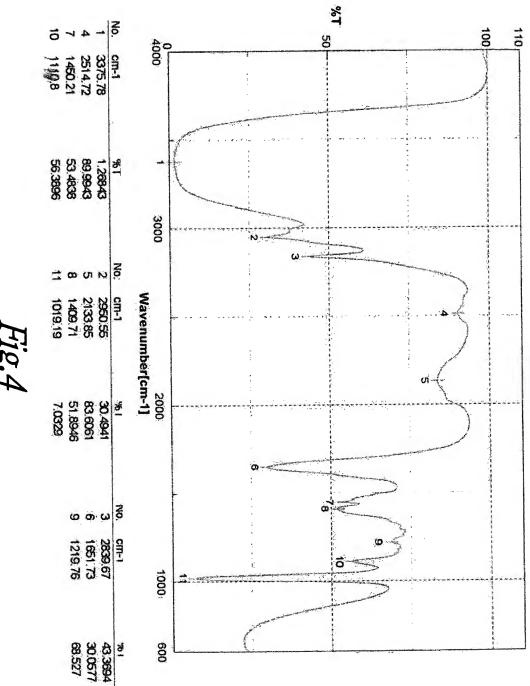
RCONH
$$\longrightarrow$$
 C \longrightarrow C

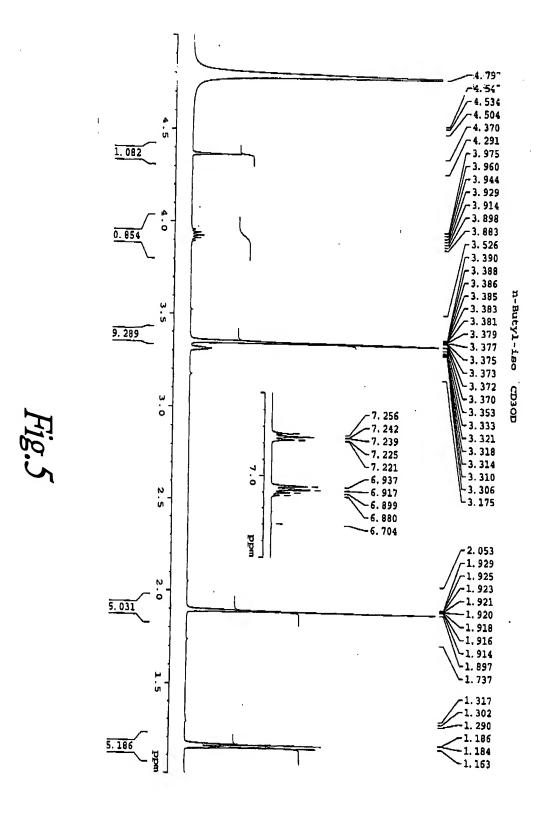
minocephalosporanic Acid(7ACA)

Fig.2

7-Aminodeacetoxycephalosporanic Acid(7ADCA)

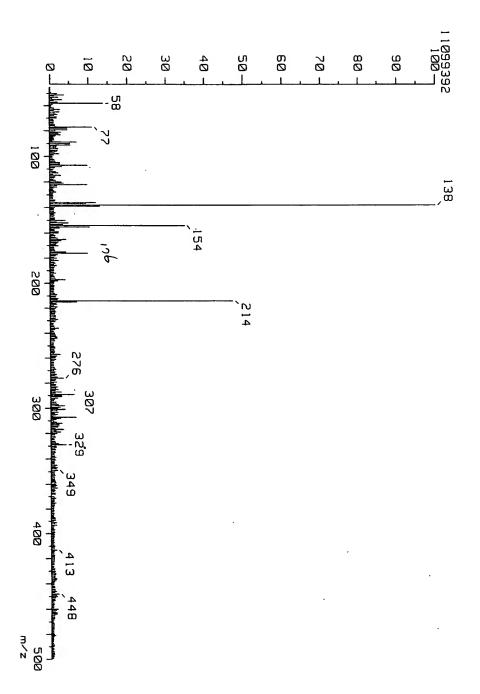
Fig.3



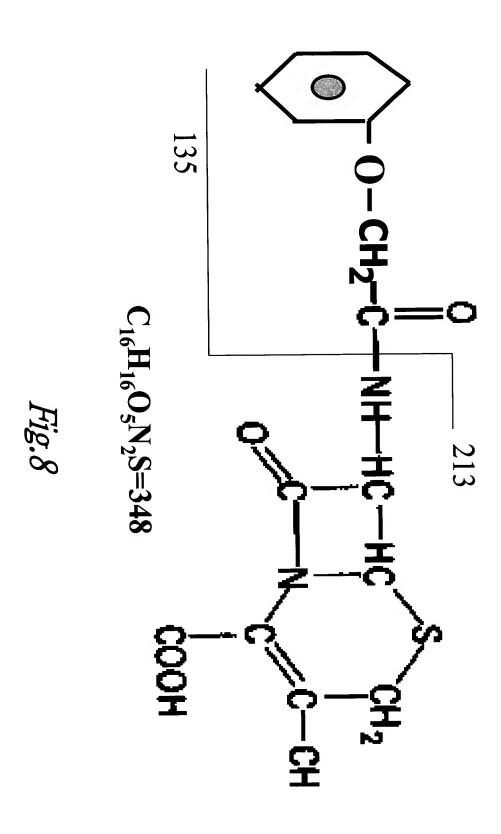


Line#:1 R.Time:5.527(Scan#:332) Negative MassPeaks:201 BasePeak:345.05(251497) RawMode: Averaged 4.697-5.764(282-346) BG Mode: Averaged 6.766-8.479(406-509) <u>ક</u> 2 208 218 manufamilian 210 237 245 257 250 270 290 물 319 331 359 368 # Ê 486 497 m/z

Fig.6



Hig.



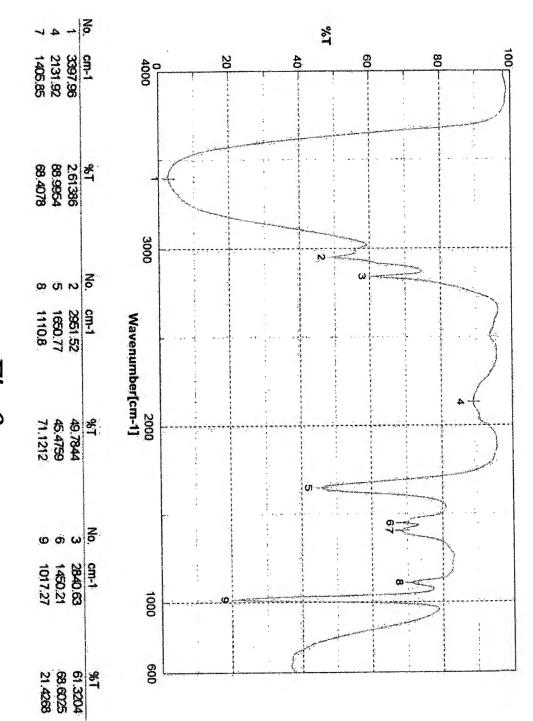


Fig.9

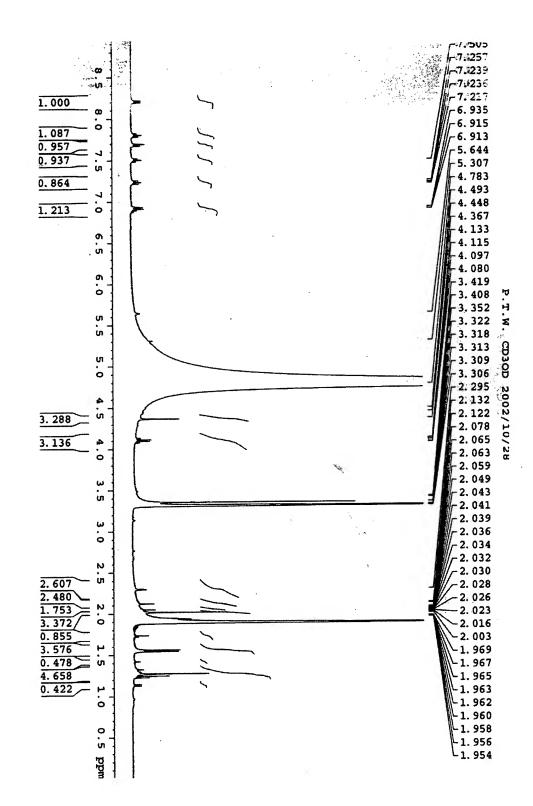
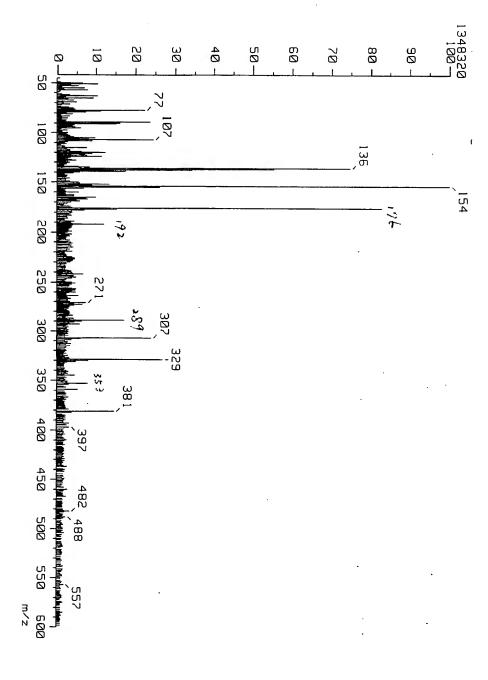


Fig. 10



Hig.11

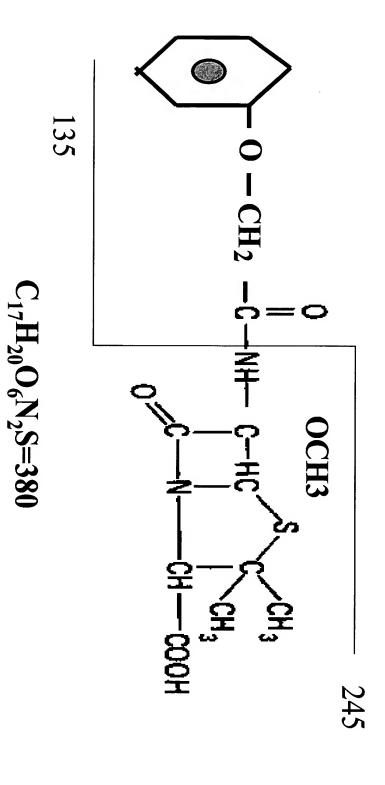


Fig.12

Line#:2 R.Time:3.293(Scan#:198) Negative MassPeaks:165 BasePeak:325.00(33653) RawMode:Averaged 2.577-3.443(155-207) BG Mode:Averaged 1.268-2.134(77-128) Ŧ 1780 Territoriport 230 250 \$ m/z

Fig. 13

